

Date: Sat, 23 Apr 94 00:35:42 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #446
To: Info-Hams

Info-Hams Digest Sat, 23 Apr 94 Volume 94 : Issue 446

Today's Topics:

Kenwood TH-78A *OR* Yaesu FT-530
ORBS\$112.2L.AMSAT
ORBS\$112.MICRO.AMSAT
ORBS\$112.MISC.AMSAT
ORBS\$112.OSCAR.AMSAT
ORBS\$112.WEATH.AMSAT
RACES Bulletins
Tech Call Signs--Region 9

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 21 Apr 1994 14:07:15 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!noc.near.net!jericho.mc.com!fugu!
levine@network.ucsd.edu
Subject: Kenwood TH-78A *OR* Yaesu FT-530
To: info-hams@ucsd.edu

In article 2p41h0INNab5@hpsdlgd9.sdd.hp.com, craigb@sdd.hp.com (Craig Bosworth)
writes:

-->I have a TH-78A. I'd like to point out a couple of misconceptions
-->below:

-->

-->In article <STEVE.94Apr19184558@hobbes.vigra.com> steve@vigra.com writes:

-->>The Yaesu has "CTCSS" included while it's an extra option on the

-->>Kenwood.

-->

-->This is not true. The Kenwood has both PL encode and decode (the
-->decode is somewhat useful for screening out intermod.). The Kenwood
-->does not have PL scan. (BTW, PL and CTCSS are synonyms which
-->describe the use of a subaudible tone to break squelch on a receiver.
-->Many repeaters require a PL tone in order for them to key up.)
-->
-->>The Yaesu has 82 memories, the Kenwood 50 (expandable to 250?). The
-->>Yaesu has a light-up keypad, and I don't think the Kenwood does.
-->

some stuff deleted....

The winner feature on the FT530 is the voltmeter display.
It is the only HT I know of with that feature. You really
know to replace the pack before y u st rt bre king up.

Bob Levine KD1GG 7J1AIS VK2GYN formerly KA1JFP
levine@mc.com <--Internet email Phone(508) 256-1300 x247
kd1gg@wa1phy.ma <--Packet Mail FAX(508) 256-3599

Date: 22 Apr 94 14:15:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: ORBS\$112.2L.AMSAT
To: info-hams@ucsd.edu

SB KEPS @ AMSAT \$ORBS-112.N
2Line Orbital Elements 112.AMSAT

HR AMSAT ORBITAL ELEMENTS FOR AMATEUR SATELLITES IN NASA FORMAT
FROM WA5QGD FORT WORTH,TX April 22, 1994
BID: \$ORBS-112.N

DECODE 2-LINE ELSETS WITH THE FOLLOWING KEY:
1 AAAAAU 00 0 0 BBBB.BBBBBBBB .CCCCCCC 00000-0 00000-0 0 DDDZ
2 AAAAA EEE.EEEE FFF.FFFF GGGGGGG HHH.HHHH III.IIII JJ.JJJJJJJJ KKKKKZ
KEY: A-CATALOGNUM B-EPOCHTIME C-DECAY D-ELSETNUM E-INCLINATION F-RAAN
G-ECCENTRICITY H-ARGPERIGEE I-MNANOM J-MNMOTION K-ORBITNUM Z-CHECKSUM

TO ALL RADIO AMATEURS BT

A0-10

1 14129U 83058B 94105.57495596 -.00000135 00000-0 10000-3 0 2740

2	14129	27.1808	332.1525	6020888	170.5875	209.8109	2.05879133	81490
U0-11								
1	14781U	84021B	94109.04608251	.000000187	00000-0	39526-4	0	6829
2	14781	97.7897	126.5360	0013014	97.3621	262.9075	14.69192084541623	
RS-10/11								
1	18129U	87054A	94108.21130139	.000000038	00000-0	24654-4	0	8903
2	18129	82.9285	13.1768	0010648	184.3188	175.7885	13.72335054341681	
A0-13								
1	19216U	88051B	94102.44882608	-.000000591	00000-0	10000-4	0	9011
2	19216	57.8540	258.2544	7212470	338.9704	2.1469	2.09726746	44639
F0-20								
1	20480U	90013C	94106.93317526	-.000000013	00000-0	35320-4	0	6767
2	20480	99.0282	270.3543	0541421	118.2022	247.4845	12.83225494196272	
A0-21								
1	21087U	91006A	94110.16310556	.000000093	00000-0	82657-4	0	4557
2	21087	82.9443	185.6439	0033668	245.5203	114.2440	13.74538249161610	
RS-12/13								
1	21089U	91007A	94108.30764982	.000000028	00000-0	14478-4	0	6803
2	21089	82.9200	55.8515	0027920	277.6170	82.1811	13.74038670160425	
ARSENE								
1	22654U	93031B	94110.18598093	-.000000078	00000-0	00000	0	0 2496
2	22654	1.7263	102.2335	2923372	178.7851	185.7394	1.42200998	373
U0-14								
1	20437U	90005B	94107.20453956	.000000042	00000-0	33213-4	0	9818
2	20437	98.5908	192.8056	0011724	14.4884	345.6638	14.29837049220873	
A0-16								
1	20439U	90005D	94111.18104805	.000000026	00000-0	26948-4	0	7826
2	20439	98.5996	197.9018	0011731	3.2480	356.8778	14.29891814221456	
D0-17								
1	20440U	90005E	94110.72112935	.000000054	00000-0	38032-4	0	7817
2	20440	98.5998	197.7505	0011875	4.5921	355.5369	14.30031331221401	
W0-18								
1	20441U	90005F	94107.26692366	.000000031	00000-0	28871-4	0	7820
2	20441	98.6004	194.3449	0012684	14.5403	345.6140	14.30005376220918	
L0-19								
1	20442U	90005G	94107.24917380	.000000036	00000-0	30935-4	0	7802
2	20442	98.6010	194.5689	0013020	14.0065	346.1473	14.30100632220925	
U0-22								
1	21575U	91050B	94109.22574452	.000000073	00000-0	39328-4	0	4836
2	21575	98.4387	184.9054	0008544	102.1158	258.0983	14.36908131144618	
K0-23								
1	22077U	92052B	94110.23751688	-.000000037	00000-0	10000-3	0	3787
2	22077	66.0880	41.3145	0012900	301.7999	58.1768	12.86285337	79338
A0-27								
1	22825U	93061C	94108.17221452	.000000020	00000-0	25928-4	0	2786
2	22825	98.6579	184.5746	0009432	28.6059	331.5642	14.27618366	29120
I0-26								
1	22826U	93061D	94107.73708649	.000000027	00000-0	28638-4	0	2784

2	22826	98.6576	184.1717	0009992	30.9978	329.1789	14.27721646	29063
K0-25								
1	22830U	93061H	94110.70406310	.00000054	00000-0	39012-4	0	2823
2	22830	98.5586	184.9727	0011711	350.4794	9.6158	14.28047654	29493
NOAA-9								
1	15427U	84123A	94101.00139129	.00000124	00000-0	89802-4	0	7791
2	15427	99.0564	150.6775	0015918	51.2366	309.0223	14.13606404480855	
NOAA-10								
1	16969U	86073A	94108.89085333	.00000018	00000-0	25824-4	0	6863
2	16969	98.5082	119.7012	0013675	138.3495	221.8729	14.24879342394169	
MET-2/17								
1	18820U	88005A	94111.01064387	.00000044	00000-0	25730-4	0	2807
2	18820	82.5405	314.0754	0016786	347.5650	12.5094	13.84713913314444	
MET-3/2								
1	19336U	88064A	94110.72808282	.00000051	00000-0	10000-3	0	2779
2	19336	82.5451	4.3488	0018532	47.7701	312.4996	13.16966458275693	
NOAA-11								
1	19531U	88089A	94100.87099016	.00000087	00000-0	71741-4	0	5924
2	19531	99.1690	88.1470	0011599	328.2207	31.8263	14.12974927285714	
MET-2/18								
1	19851U	89018A	94111.19644899	.00000069	00000-0	48393-4	0	2793
2	19851	82.5218	189.3509	0015717	31.1221	329.0865	13.84362770259806	
MET-3/3								
1	20305U	89086A	94111.24146181	.00000044	00000-0	10000-3	0	289
2	20305	82.5505	309.3582	0007696	86.2726	273.9313	13.04415154215471	
MET-2/19								
1	20670U	90057A	94109.89761247	.00000023	00000-0	79036-5	0	7817
2	20670	82.5415	254.7566	0015477	316.2043	43.7885	13.84189036192550	
FY-1/2								
1	20788U	90081A	94110.56820725	.00000134	00000-0	11727-3	0	9464
2	20788	98.8363	132.5398	0014827	164.2542	195.9085	14.01315653185630	
MET-2/20								
1	20826U	90086A	94111.17919044	.00000101	00000-0	78493-4	0	7908
2	20826	82.5277	191.3327	0012209	203.0180	157.0435	13.83579168179873	
MET-3/4								
1	21232U	91030A	94107.29308625	.00000050	00000-0	10000-3	0	6872
2	21232	82.5411	212.6313	0012918	345.0275	15.0439	13.16461141143343	
NOAA-12								
1	21263U	91032A	94106.92507229	.00000136	00000-0	80237-4	0	79
2	21263	98.6240	136.0374	0014052	55.2990	304.9508	14.22392169151826	
MET-3/5								
1	21655U	91056A	94109.55257500	.00000051	00000-0	10000-3	0	6955
2	21655	82.5554	158.1550	0013901	350.8311	9.2571	13.16829738128744	
MET-2/21								
1	22782U	93055A	94111.06886170	.00000016	00000-0	10562-5	0	2905
2	22782	82.5460	251.6896	0023402	28.8050	331.4400	13.83003730	32197
POSAT								
1	22829U	93061G	94107.20487084	.00000052	00000-0	38620-4	0	2719

2 22829 98.6541 183.6629 0010797 19.2844 340.8746 14.28018464 28993
 MIR
 1 16609U 86017A 94111.21750077 .00004090 00000-0 58434-4 0 5749
 2 16609 51.6453 111.7160 0015230 167.5089 192.6283 15.58719614467153
 HUBBLE
 1 20580U 90037B 94111.23915846 .00000605 00000-0 45213-4 0 4690
 2 20580 28.4697 241.7697 0005819 209.4240 150.6019 14.90578956 20887
 GRO
 1 21225U 91027B 94109.53006684 .00003815 00000-0 84563-4 0 848
 2 21225 28.4608 279.2647 0003636 266.8444 93.1785 15.40645635 47880
 UARS
 1 21701U 91063B 94111.19757853 -.00001801 00000-0 -13661-3 0 5045
 2 21701 56.9862 27.4374 0004876 90.7374 269.4218 14.96394646142406
 /EX

 Date: 22 Apr 94 14:10:00 GMT
 From: news-mail-gateway@ucsd.edu
 Subject: ORBS\$112.MICRO.AMSAT
 To: info-hams@ucsd.edu

SB KEPS @ AMSAT \$ORBS-112.D
 Orbital Elements 112.MICROS

HR AMSAT ORBITAL ELEMENTS FOR THE MICROSATS
 FROM WA5QGD FORT WORTH,TX April 22, 1994
 BID: \$ORBS-112.D
 TO ALL RADIO AMATEURS BT

Satellite: U0-14
 Catalog number: 20437
 Epoch time: 94107.20453956
 Element set: 981
 Inclination: 98.5908 deg
 RA of node: 192.8056 deg
 Eccentricity: 0.0011724
 Arg of perigee: 14.4884 deg
 Mean anomaly: 345.6638 deg
 Mean motion: 14.29837049 rev/day
 Decay rate: 4.2e-07 rev/day^2
 Epoch rev: 22087
 Checksum: 326

Satellite: A0-16
 Catalog number: 20439
 Epoch time: 94111.18104805
 Element set: 782

Inclination: 98.5996 deg
RA of node: 197.9018 deg
Eccentricity: 0.0011731
Arg of perigee: 3.2480 deg
Mean anomaly: 356.8778 deg
Mean motion: 14.29891814 rev/day
Decay rate: 2.6e-07 rev/day^2
Epoch rev: 22145
Checksum: 320

Satellite: D0-17

Catalog number: 20440
Epoch time: 94110.72112935
Element set: 781
Inclination: 98.5998 deg
RA of node: 197.7505 deg
Eccentricity: 0.0011875
Arg of perigee: 4.5921 deg
Mean anomaly: 355.5369 deg
Mean motion: 14.30031331 rev/day
Decay rate: 5.4e-07 rev/day^2
Epoch rev: 22140
Checksum: 288

Satellite: W0-18

Catalog number: 20441
Epoch time: 94107.26692366
Element set: 782
Inclination: 98.6004 deg
RA of node: 194.3449 deg
Eccentricity: 0.0012684
Arg of perigee: 14.5403 deg
Mean anomaly: 345.6140 deg
Mean motion: 14.30005376 rev/day
Decay rate: 3.1e-07 rev/day^2
Epoch rev: 22091
Checksum: 278

Satellite: L0-19

Catalog number: 20442
Epoch time: 94107.24917380
Element set: 780
Inclination: 98.6010 deg
RA of node: 194.5689 deg
Eccentricity: 0.0013020
Arg of perigee: 14.0065 deg
Mean anomaly: 346.1473 deg
Mean motion: 14.30100632 rev/day

Decay rate: 3.6e-07 rev/day²
Epoch rev: 22092
Checksum: 263

Satellite: UO-22

Catalog number: 21575
Epoch time: 94109.22574452
Element set: 483
Inclination: 98.4387 deg
RA of node: 184.9054 deg
Eccentricity: 0.0008544
Arg of perigee: 102.1158 deg
Mean anomaly: 258.0983 deg
Mean motion: 14.36908131 rev/day
Decay rate: 7.3e-07 rev/day²
Epoch rev: 14461
Checksum: 310

Satellite: K0-23

Catalog number: 22077
Epoch time: 94110.23751688
Element set: 378
Inclination: 66.0880 deg
RA of node: 41.3145 deg
Eccentricity: 0.0012900
Arg of perigee: 301.7999 deg
Mean anomaly: 58.1768 deg
Mean motion: 12.86285337 rev/day
Decay rate: -3.7e-07 rev/day²
Epoch rev: 7933
Checksum: 316

Satellite: A0-27

Catalog number: 22825
Epoch time: 94108.17221452
Element set: 278
Inclination: 98.6579 deg
RA of node: 184.5746 deg
Eccentricity: 0.0009432
Arg of perigee: 28.6059 deg
Mean anomaly: 331.5642 deg
Mean motion: 14.27618366 rev/day
Decay rate: 2.0e-07 rev/day²
Epoch rev: 2912
Checksum: 313

Satellite: IO-26

Catalog number: 22826

Epoch time: 94107.73708649
Element set: 278
Inclination: 98.6576 deg
RA of node: 184.1717 deg
Eccentricity: 0.0009992
Arg of perigee: 30.9978 deg
Mean anomaly: 329.1789 deg
Mean motion: 14.27721646 rev/day
Decay rate: 2.7e-07 rev/day^2
Epoch rev: 2906
Checksum: 361

Satellite: K0-25

Catalog number: 22830
Epoch time: 94110.70406310
Element set: 282
Inclination: 98.5586 deg
RA of node: 184.9727 deg
Eccentricity: 0.0011711
Arg of perigee: 350.4794 deg
Mean anomaly: 9.6158 deg
Mean motion: 14.28047654 rev/day
Decay rate: 5.4e-07 rev/day^2
Epoch rev: 2949
Checksum: 306

/EX

Date: 22 Apr 94 14:13:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: ORBS\$112.MISC.AMSAT
To: info-hams@ucsd.edu

SB KEPS @ AMSAT \$ORBS-112.M
Orbital Elements 112.MISC

HR AMSAT ORBITAL ELEMENTS FOR MANNED AND MISCELLANEOUS SATELLITES
FROM WA5QGD FORT WORTH, TX April 22, 1994
BID: \$ORBS-112.M
TO ALL RADIO AMATEURS BT

Satellite: POSAT
Catalog number: 22829
Epoch time: 94107.20487084
Element set: 271
Inclination: 98.6541 deg

RA of node: 183.6629 deg
Eccentricity: 0.0010797
Arg of perigee: 19.2844 deg
Mean anomaly: 340.8746 deg
Mean motion: 14.28018464 rev/day
Decay rate: 5.2e-07 rev/day^2
Epoch rev: 2899
Checksum: 322

Satellite: MIR
Catalog number: 16609
Epoch time: 94111.21750077
Element set: 574
Inclination: 51.6453 deg
RA of node: 111.7160 deg
Eccentricity: 0.0015230
Arg of perigee: 167.5089 deg
Mean anomaly: 192.6283 deg
Mean motion: 15.58719614 rev/day
Decay rate: 4.090e-05 rev/day^2
Epoch rev: 46715
Checksum: 293

Satellite: HUBBLE
Catalog number: 20580
Epoch time: 94111.23915846
Element set: 469
Inclination: 28.4697 deg
RA of node: 241.7697 deg
Eccentricity: 0.0005819
Arg of perigee: 209.4240 deg
Mean anomaly: 150.6019 deg
Mean motion: 14.90578956 rev/day
Decay rate: 6.05e-06 rev/day^2
Epoch rev: 2088
Checksum: 318

Satellite: GRO
Catalog number: 21225
Epoch time: 94109.53006684
Element set: 84
Inclination: 28.4608 deg
RA of node: 279.2647 deg
Eccentricity: 0.0003636
Arg of perigee: 266.8444 deg
Mean anomaly: 93.1785 deg
Mean motion: 15.40645635 rev/day
Decay rate: 3.815e-05 rev/day^2

Epoch rev: 4788
Checksum: 320

Satellite: UARS
Catalog number: 21701
Epoch time: 94111.19757853
Element set: 504
Inclination: 56.9862 deg
RA of node: 27.4374 deg
Eccentricity: 0.0004876
Arg of perigee: 90.7374 deg
Mean anomaly: 269.4218 deg
Mean motion: 14.96394646 rev/day
Decay rate: -1.801e-05 rev/day^2
Epoch rev: 14240
Checksum: 313

/EX

Date: 22 Apr 94 14:08:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: ORBS\$112.OSCAR.AMSAT
To: info-hams@ucsd.edu

SB KEPS @ AMSAT \$ORBS-112.0
Orbital Elements 112.OSCAR

HR AMSAT ORBITAL ELEMENTS FOR OSCAR SATELLITES
FROM WA5QGD FORT WORTH, TX April 22, 1994
BID: \$ORBS-112.0
TO ALL RADIO AMATEURS BT

Satellite: AO-10
Catalog number: 14129
Epoch time: 94105.57495596
Element set: 274
Inclination: 27.1808 deg
RA of node: 332.1525 deg
Eccentricity: 0.6020888
Arg of perigee: 170.5875 deg
Mean anomaly: 209.8109 deg
Mean motion: 2.05879133 rev/day
Decay rate: -1.35e-06 rev/day^2
Epoch rev: 8149
Checksum: 321

Satellite: UO-11

Catalog number: 14781

Epoch time: 94109.04608251

Element set: 682

Inclination: 97.7897 deg

RA of node: 126.5360 deg

Eccentricity: 0.0013014

Arg of perigee: 97.3621 deg

Mean anomaly: 262.9075 deg

Mean motion: 14.69192084 rev/day

Decay rate: 1.87e-06 rev/day²

Epoch rev: 54162

Checksum: 314

Satellite: RS-10/11

Catalog number: 18129

Epoch time: 94108.21130139

Element set: 890

Inclination: 82.9285 deg

RA of node: 13.1768 deg

Eccentricity: 0.0010648

Arg of perigee: 184.3188 deg

Mean anomaly: 175.7885 deg

Mean motion: 13.72335054 rev/day

Decay rate: 3.8e-07 rev/day²

Epoch rev: 34168

Checksum: 313

Satellite: A0-13

Catalog number: 19216

Epoch time: 94102.44882608

Element set: 901

Inclination: 57.8540 deg

RA of node: 258.2544 deg

Eccentricity: 0.7212470

Arg of perigee: 338.9704 deg

Mean anomaly: 2.1469 deg

Mean motion: 2.09726746 rev/day

Decay rate: -5.91e-06 rev/day²

Epoch rev: 4463

Checksum: 313

Satellite: F0-20

Catalog number: 20480

Epoch time: 94106.93317526

Element set: 676

Inclination: 99.0282 deg

RA of node: 270.3543 deg

Eccentricity: 0.0541421
Arg of perigee: 118.2022 deg
Mean anomaly: 247.4845 deg
Mean motion: 12.83225494 rev/day
Decay rate: -1.3e-07 rev/day^2
Epoch rev: 19627
Checksum: 293

Satellite: A0-21
Catalog number: 21087
Epoch time: 94110.16310556
Element set: 455
Inclination: 82.9443 deg
RA of node: 185.6439 deg
Eccentricity: 0.0033668
Arg of perigee: 245.5203 deg
Mean anomaly: 114.2440 deg
Mean motion: 13.74538249 rev/day
Decay rate: 9.3e-07 rev/day^2
Epoch rev: 16161
Checksum: 290

Satellite: RS-12/13
Catalog number: 21089
Epoch time: 94108.30764982
Element set: 680
Inclination: 82.9200 deg
RA of node: 55.8515 deg
Eccentricity: 0.0027920
Arg of perigee: 277.6170 deg
Mean anomaly: 82.1811 deg
Mean motion: 13.74038670 rev/day
Decay rate: 2.8e-07 rev/day^2
Epoch rev: 16042
Checksum: 296

Satellite: ARSENE
Catalog number: 22654
Epoch time: 94110.18598093
Element set: 249
Inclination: 1.7263 deg
RA of node: 102.2335 deg
Eccentricity: 0.2923372
Arg of perigee: 178.7851 deg
Mean anomaly: 185.7394 deg
Mean motion: 1.42200998 rev/day
Decay rate: -7.8e-07 rev/day^2
Epoch rev: 37

Checksum: 300

/EX

Date: 22 Apr 94 14:11:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: ORBS\$112.WEATH.AMSAT
To: info-hams@ucsd.edu

SB KEPS @ AMSAT \$ORBS-112.W
Orbital Elements 112.WEATHER

HR AMSAT ORBITAL ELEMENTS FOR WEATHER SATELLITES
FROM WA5QGD FORT WORTH,TX April 22, 1994
BID: \$ORBS-112.W
TO ALL RADIO AMATEURS BT

Satellite: NOAA-9
Catalog number: 15427
Epoch time: 94101.00139129
Element set: 779
Inclination: 99.0564 deg
RA of node: 150.6775 deg
Eccentricity: 0.0015918
Arg of perigee: 51.2366 deg
Mean anomaly: 309.0223 deg
Mean motion: 14.13606404 rev/day
Decay rate: 1.24e-06 rev/day^2
Epoch rev: 48085
Checksum: 292

Satellite: NOAA-10
Catalog number: 16969
Epoch time: 94108.89085333
Element set: 686
Inclination: 98.5082 deg
RA of node: 119.7012 deg
Eccentricity: 0.0013675
Arg of perigee: 138.3495 deg
Mean anomaly: 221.8729 deg
Mean motion: 14.24879342 rev/day
Decay rate: 1.8e-07 rev/day^2
Epoch rev: 39416
Checksum: 339

Satellite: MET-2/17

Catalog number: 18820
Epoch time: 94111.01064387
Element set: 280
Inclination: 82.5405 deg
RA of node: 314.0754 deg
Eccentricity: 0.0016786
Arg of perigee: 347.5650 deg
Mean anomaly: 12.5094 deg
Mean motion: 13.84713913 rev/day
Decay rate: 4.4e-07 rev/day^2
Epoch rev: 31444
Checksum: 286

Satellite: MET-3/2
Catalog number: 19336
Epoch time: 94110.72808282
Element set: 277
Inclination: 82.5451 deg
RA of node: 4.3488 deg
Eccentricity: 0.0018532
Arg of perigee: 47.7701 deg
Mean anomaly: 312.4996 deg
Mean motion: 13.16966458 rev/day
Decay rate: 5.1e-07 rev/day^2
Epoch rev: 27569
Checksum: 321

Satellite: NOAA-11
Catalog number: 19531
Epoch time: 94100.87099016
Element set: 592
Inclination: 99.1690 deg
RA of node: 88.1470 deg
Eccentricity: 0.0011599
Arg of perigee: 328.2207 deg
Mean anomaly: 31.8263 deg
Mean motion: 14.12974927 rev/day
Decay rate: 8.7e-07 rev/day^2
Epoch rev: 28571
Checksum: 320

Satellite: MET-2/18
Catalog number: 19851
Epoch time: 94111.19644899
Element set: 279
Inclination: 82.5218 deg
RA of node: 189.3509 deg
Eccentricity: 0.0015717

Arg of perigee: 31.1221 deg
Mean anomaly: 329.0865 deg
Mean motion: 13.84362770 rev/day
Decay rate: 6.9e-07 rev/day^2
Epoch rev: 25980
Checksum: 335

Satellite: MET-3/3
Catalog number: 20305
Epoch time: 94111.24146181
Element set: 28
Inclination: 82.5505 deg
RA of node: 309.3582 deg
Eccentricity: 0.0007696
Arg of perigee: 86.2726 deg
Mean anomaly: 273.9313 deg
Mean motion: 13.04415154 rev/day
Decay rate: 4.4e-07 rev/day^2
Epoch rev: 21547
Checksum: 277

Satellite: MET-2/19
Catalog number: 20670
Epoch time: 94109.89761247
Element set: 781
Inclination: 82.5415 deg
RA of node: 254.7566 deg
Eccentricity: 0.0015477
Arg of perigee: 316.2043 deg
Mean anomaly: 43.7885 deg
Mean motion: 13.84189036 rev/day
Decay rate: 2.3e-07 rev/day^2
Epoch rev: 19255
Checksum: 329

Satellite: FY-1/2
Catalog number: 20788
Epoch time: 94110.56820725
Element set: 946
Inclination: 98.8363 deg
RA of node: 132.5398 deg
Eccentricity: 0.0014827
Arg of perigee: 164.2542 deg
Mean anomaly: 195.9085 deg
Mean motion: 14.01315653 rev/day
Decay rate: 1.34e-06 rev/day^2
Epoch rev: 18563
Checksum: 318

Satellite: MET-2/20
Catalog number: 20826
Epoch time: 94111.17919044
Element set: 790
Inclination: 82.5277 deg
RA of node: 191.3327 deg
Eccentricity: 0.0012209
Arg of perigee: 203.0180 deg
Mean anomaly: 157.0435 deg
Mean motion: 13.83579168 rev/day
Decay rate: 1.01e-06 rev/day^2
Epoch rev: 17987
Checksum: 294

Satellite: MET-3/4
Catalog number: 21232
Epoch time: 94107.29308625
Element set: 687
Inclination: 82.5411 deg
RA of node: 212.6313 deg
Eccentricity: 0.0012918
Arg of perigee: 345.0275 deg
Mean anomaly: 15.0439 deg
Mean motion: 13.16461141 rev/day
Decay rate: 5.0e-07 rev/day^2
Epoch rev: 14334
Checksum: 261

Satellite: NOAA-12
Catalog number: 21263
Epoch time: 94106.92507229
Element set: 7
Inclination: 98.6240 deg
RA of node: 136.0374 deg
Eccentricity: 0.0014052
Arg of perigee: 55.2990 deg
Mean anomaly: 304.9508 deg
Mean motion: 14.22392169 rev/day
Decay rate: 1.36e-06 rev/day^2
Epoch rev: 15182
Checksum: 280

Satellite: MET-3/5
Catalog number: 21655
Epoch time: 94109.55257500
Element set: 695
Inclination: 82.5554 deg

RA of node: 158.1550 deg
Eccentricity: 0.0013901
Arg of perigee: 350.8311 deg
Mean anomaly: 9.2571 deg
Mean motion: 13.16829738 rev/day
Decay rate: 5.1e-07 rev/day^2
Epoch rev: 12874
Checksum: 299

Satellite: MET-2/21
Catalog number: 22782
Epoch time: 94111.06886170
Element set: 290
Inclination: 82.5460 deg
RA of node: 251.6896 deg
Eccentricity: 0.0023402
Arg of perigee: 28.8050 deg
Mean anomaly: 331.4400 deg
Mean motion: 13.83003730 rev/day
Decay rate: 1.6e-07 rev/day^2
Epoch rev: 3219
Checksum: 261

/EX

Date: 23 Apr 94 02:05:41 GMT
From: news-mail-gateway@ucsd.edu
Subject: RACES Bulletins
To: info-hams@ucsd.edu

Thanks to whoever posts the RACES bulletins. Unfortunately, I missed #315 and can't find it in the archives at ucsd.edu. I'd appreciate it if it could be reposted, sent to me, or be put in the archive with the rest of them.

Thanks.

Jim, NX9F
ley@uwstout.edu

Date: 22 Apr 94 23:51:59 GMT
From: dog.ee.lbl.gov!ihnp4.ucsd.edu!news.cerf.net!ccnet.com!ccnet.com!not-for-mail@ucbvax.berkeley.edu
Subject: Tech Call Signs--Region 9
To: info-hams@ucsd.edu

744484WS@GBVAXA.UWGB.EDU wrote:

: Hi there! I just passed my Tech no-code exams yesterday, and a buddy in
: Madison, WI told me you guys might know the latest call signs to be assigned to
: new Techs in Region 9 (I'm in Green Bay, WI--how bout them Packers?)

: The address is: 744484ws@gbvaxa.uwgb.edu

: (Yes, that's the UWGB from the NCAA's that kicked Cal's ass. Huh huh

: huh...that wuz cool.)

: Thanks much!

: Will Sentowski

Well I see they gave out N9WPG on the first of April so after your three
month wait....any one who would flame the Cal Bears will wait a long time...

You know when they finally find your application they will have run out
of N9 calls and will give you one of those way cool novice KB9 calls ;) ;)

Go Bears!

--

Bob Wilkins	work	bwilkins@cave.org
Berkeley, California	home	rwilkins@ccnet.com
94701-0710	play	n6fri@n6eeg.#nocal.ca.usa.noam

Date: 23 Apr 94 01:42:45 GMT

From: agate!library.ucla.edu!csulb.edu!csus.edu!netcom.com!

kludge@ucbvax.berkeley.edu

To: info-hams@ucsd.edu

References <01HBH376EN94Q06L96@VEGA.SELU.EDU>, <2p99ef\$1h5@eis.calstate.edu>,
<2p9gpg\$1mn@hp-col.col.hp.com>

Subject : Re: Confiscated HT

In article <2p9gpg\$1mn@hp-col.col.hp.com> gregt@col.hp.com (Greg Tarcza) writes:
>Steven Adams (sadams@eis.calstate.edu) wrote:

>: If my HT had an extended tx and I had use of a comercial freq. through my
>: business (We have a repeater set up around 452 mhz), could I use my HT
>: to communicate through the repeater (legally)??

>

>NO!

>Because your HT is not type-accepted for use in commercial service.

However, amateur equipment doesn't have to be type accepted. So, if your business give you an HT that is type-accepted for the business band, there's nothing to keep you from programming ham frequencies into it and using it on the ham bands. That's fine, and strongly recommended.

For years, I converted surplus commercial gear to use on the ham bands, and am amazed that anyone would ever want to convert ham gear to use on the business bands.

--scott

--

"C'est un Nagra. C'est suisse, et tres, tres precis."

Date: 21 Apr 1994 15:05:03 GMT

From: ihnp4.ucsd.edu!swrinde!emory!news-feed-2.peachnet.edu!news-feed-1.peachnet.edu!news.duke.edu!acpub.duke.edu!thomasr@network.ucsd.edu

To: info-hams@ucsd.edu

References <2p3odm\$15q@geraldo.cc.utexas.edu>, <2p44gp\$82e@tuba.cit.cornell.edu>, <CoM4sC.CM4@fc.hp.com>.ed

Subject : Re: 10m opening

How long do these late spring/summer E skip periods generally last?
ron thomas

End of Info-Hams Digest V94 #446
